



AirTegrity™ 1504 Indoor Series
SMB/SOHO Single-Radio Subscriber Stations
900MHz, 2.4GHz, 5GHz & 4.9GHz



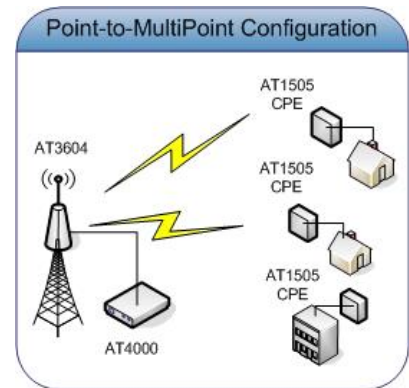
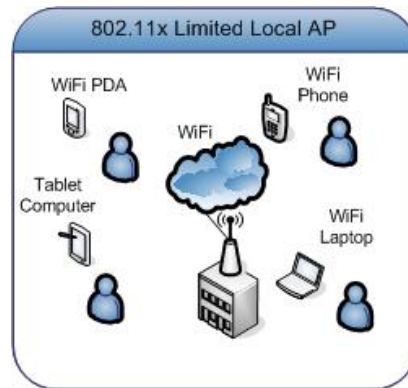
Key Features:

- Indoor Enclosure
- Scalable Solutions
- Routing Support
- Local AP or SU Configuration
- Complete Security
- AES, IPsec
- QoS for Voice & Video
- VPN and VLAN Support
- Full IP Services
- LOS, NLOS Operation
- Unlicensed Frequencies 900 MHz, 2.4 GHz, 5GHz & 4.9 GHz Public Safety

1504 Indoor Series SMB/SOHO Single-Radio Subscriber Station Solutions

The AirTegrity™ AT1504 Indoor Series Subscriber Stations or Customer Premises Equipment (CPE) provides high-powered 802.11a,b,g solutions to end users seeking higher throughput and/or broader coverage in indoor environments. As part of the AirTegrity family of solutions, the AT1504 Series Subscriber Station / CPE provides a cost effective means of providing data, VoIP, and streaming video services in areas where traditional wire-line doesn't exist and RF interference is not an issue. It supports firewalls, and the most secure encryption techniques available including AES, DES and 3DES enabling them to function in both enterprise and residential settings.

The AT1504 Indoor Enclosure provides outstanding RF performance and convenient mounting options. The CPE includes one N-female connector for attachment to an external antenna, and comes complete with a POE injector and localized power cord.



7 x 2 x 8 Indoor Enclosure

Power and data are supplied to the AT1504 via a Power-over-Ethernet injector using a standard CAT5 cable with RJ45 terminations that conveniently plug directly to the single 10/100 Base-T Ethernet interface.

With a power output for 400mW to 700mW depending on radio card, the AT1504 is ideal for applications such as:

- Indoor coverage for Municipal, Commercial and Academic requirements
- Public Hotspots
- Residential High Speed Internet Access
- Voice over IP
- Indoor Video Surveillance
- Safety Monitoring





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Feature	Technical Specifications	Feature	Physical Specifications
Capability	LOS, non LOS, TDD (Time Division Duplex)	Dimensions	W 7.x H 2 x D 8 inches
Modulation	Auto Select QPSK, 16 QAM, 64 QAM	Temperature	Indoor Enclosure
Encryption	DES, 3DES, AES	Humidity	Indoor Enclosure
MAC	Point to Multi-Point , Ad Hoc	Regulatory	FCC Part 15 subpart C including 15.205/207 and 247, EN 300.328
PHY	OFDM	Power / Data	PoE 19W , Single 10/100 Base-T Ethernet port
Data Rates	Configurable or Dynamically Auto Select 6-108Mbps	External Antenna Connector	N-Type Female
Latency	2-6ms		

1504 Indoor Series SMB/SOHO Radio Configuration

Frequency	900 MHz	2.4-2.484 GHz	4.950-4.990 GHz Public Safety Band	5.725-5.850GHz
Protocol	802.11g	802.11b/g	802.11a	802.11a
Channel Size	5, 10, 20MHz	22MHz	5, 10, 20 MHz	20, 40 MHz
Maximum Transmit Power	+28 dBm	+28 dBm	+26 dBm	+28 dBm
Fade Margin Included	20 dB	20 dB	20 dB	20 dB
Rx Sensitivity Data Rate, Distance.	-93 dBm, 1Mbps -92 dBm, 2 Mbps -90 dBm, 6 Mbps -88 dBm, 11 Mbps -86 dBm, 18 Mbps -82 dBm, 24 Mbps -73 dBm, 48 Mbps -70 dBm, 54 Mbps	-97dBm, 1Mbps -94dBm, 6Mbps -91dBm, 12Mbps -90dBm, 18Mbps -86dBm, 24Mbps -83dBm, 36 Mbps -77dBm, 48 Mbps -74dBm, 54 Mbps	-93 dBm, 6 Mbps -92 dBm, 9 Mbps -91 dBm, 12 Mbps -90 dBm, 18 Mbps -85 dBm, 24 Mbps -82 dBm, 36 Mbps -76 dBm, 48 Mbps -73 dBm, 54 Mbps	-94dBm, 6Mbps, 12Mbps -93dBm, 9Mbps, 18Mbps -91dBm, 12 Mbps, 24Mbps -90dBm, 18 Mbps, 36Mbps -86dBm, 24 Mbps, 48Mbps -83dBm, 36 Mbps, 72Mbps -77dBm, 48 Mbps, 96Mbps -74dBm, 54 Mbps, 108Mbps
Integrated Antenna Options –N/A	External Antenna	External Antenna	External Antenna	External Antenna
*Order optional external high-gain antennas separately				

1504 Indoor Series Ordering Options

- All radio configurations come with an N-type female connector for use with a high-gain external antenna
- Includes basic mounting hardware, POE injector, and localized power cord
- Order additional mounting hardware and optional external antenna separately
- Contact an AirTegrity representative for details on optional configurations

About AirTegrity Wireless, Inc.

AirTegrity™ Wireless is a market leader providing a secure wireless broadband platform that encompasses all networking and security requirements for the delivery of voice and data services in a single cohesive product. AirTegrity award winning wireless modules operate in both licensed and unlicensed frequencies. AirTegrity™ Smart Networks dramatically reduce the cost of network deployment, ownership and management by integrating Multi-Channel Radio and Antenna technology with powerful routing, switching and security functions into each AirTegrity™ system.